## **EAST Search History**

| Ref<br># | Hits   | Search Query   | DBs .                                       | Default<br>Operator | Plurals | Time Stamp       |
|----------|--------|--|---|---------------------|---------|------------------|
| L1       | 63640  | (hydrogenase or reductase or oxidoreductase or oxygenase or oxigenase or catalase)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR                  | ON .    | 2006/10/04 11:49 |
| L2       | 507    | L1 same trap\$6  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR                  | ON      | 2006/10/04 11:50 |
| L3       | 234    | L2 and (freez\$4 or froz\$4)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR                  | ON      | 2006/10/04 11:45 |
| L4       | . 202  | L3 and (light or irradiat\$4 or photoinduc\$)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR                  | ON .    | 2006/10/04 11:45 |
| L5       | . 3    | L2 same (freez\$4 or froz\$4)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR                  | ON      | 2006/10/04 11:50 |
| L6       | 300928 | ruthenium or alkane or alkene or<br>alkyne or porphyrin or (aromatic<br>near2 hydrocarbon) or (methylene<br>near2 blue) or (acridine near2<br>(orange or methylviologene)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR .                | ON      | 2006/10/04 11:48 |
| L7       | 68318  | (hydrogenase or reductase or oxidoreductase or oxygenase or oxigenase or catalase) or (cytochrome near3 (p450 or p-450))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR                  | ON      | 2006/10/04 11:49 |
| L8       | 1102   | L6 same L7   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR                  | ON      | 2006/10/04 11:49 |
| L9       | 3      | L8 same trap\$6  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR                  | ON      | 2006/10/04 11:51 |
| L10      | 1      | L8 same (freez\$4 or froz\$4)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR                  | ON      | 2006/10/04 11:50 |
| L11      | 404    | L8 and (freez\$4 or froz\$4)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR                  | ON      | 2006/10/04 11:50 |

## **EAST Search History**

| L12 | 106 | L11 and trap\$6                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2006/10/04 11:52 |
|-----|-----|--|---|------|----|------------------|
| L13 | 407 | takashi near2 ogura                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR . | ON | 2006/10/04 11:52 |
| L14 | 3   | takashi near2 ogura and oxidoreductase | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2006/10/04 11:53 |
| L15 | 4   | shigeki near2 kuroiwa                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2006/10/04 11:54 |
| L16 | 25  | shinya near2 yoshikawa                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR   | ON | 2006/10/04 11:54 |

(FILE 'HOME' ENTERED AT 11:56:09 ON 04 OCT 2006)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 11:56:38 ON 04 OCT 2006 SEA HYDROGENASE OR REDUCTASE OR OXIDOREDUCTASE OR OXYGENASE OR

0\* FILE ADISCTI

SEA (HYDROGENASE OR REDUCTASE OR OXIDOREDUCTASE OR OXYGENASE OR

0\* FILE ADISCTI

SEA (HYDROGENASE OR REDUCTASE OR OXIDOREDUCTASE OR OXYGENASE OR

```
-----
  5078
        FILE ADISCTI
         FILE ADISINSIGHT
  1112
  1494
        FILE ADISNEWS
        FILE AGRICOLA
 21126
        FILE ANABSTR
  1412
        FILE ANTE
  111
         FILE AQUALINE
  1450
  4191
         FILE AQUASCI
  7039
         FILE BIOENG
186596
         FILE BIOSIS
  9854
         FILE BIOTECHABS
  9854
         FILE BIOTECHDS
 44321
         FILE BIOTECHNO
40766
        FILE CABA
         FILE CAPLUS
205708
         FILE CEABA-VTB
  2189
         FILE CIN
  502
         FILE CONFSCI
  5206
  574
         FILE CROPB
         FILE CROPU
  2088
         FILE DDFB
 16748
         FILE DDFU
 28676
 94170
         FILE DGENE
 7501
         FILE DISSABS
 16748
         FILE DRUGB
         FILE DRUGMONOG2
   100
         FILE DRUGU
 32729
  1135
         FILE EMBAL
155358
         FILE EMBASE
 56052
         FILE ESBIOBASE
         FILE FOREGE
    71
         FILE FROSTI
  2051
         FILE FSTA
  4083
139521
         FILE GENBANK
         FILE HEALSAFE
   518
  8127
         FILE IFIPAT
   589
         FILE IMSDRUGNEWS
    26
         FILE IMSPRODUCT
         FILE IMSRESEARCH
   364
 45918
        FILE JICST-EPLUS
         FILE KOSMET
   407
         FILE LIFESCI
 40647
         FILE MEDLINE
197300
         FILE NTIS
 1740
         FILE NUTRACEUT
    40
         FILE OCEAN
  1208
```

FILE PASCAL

FILE PCTGEN

124241

48

```
2181
        FILE PHAR
  343
        FILE PHARMAML
    1
        FILE PHIC
 1302
        FILE PHIN
 3472
        FILE PROMT
 4216
        FILE PROUSDDR
   11
        FILE PS
   38
       FILE RDISCLOSURE
146919
       FILE SCISEARCH
       FILE SYNTHLINE
  104
161743
       FILE TOXCENTER
        FILE USPATFULL
49296
        FILE USPAT2
 5604
  267
        FILE VETB
        FILE VETU
  475
 1276
        FILE WATER
        FILE WPIDS
11130
       FILE WPIFV
  130
       FILE WPINDEX
11130
     QUE ABB=ON PLU=ON (HYDROGENASE OR REDUCTASE OR OXIDOREDUCTASE
      OR OXYGENASE OR OXIGENASE OR CATALASE) OR (CYTOCHROME (3A)
     P450 OR P-450)
    _ _ _ _ _ _ _ _ _
     SEA (RUTHENIUM OR ALKANE OR ALKENE OR ALKYNE OR PORPHYRIN) OR (
    _____
       FILE ADISCTI
   67
       FILE ADISINSIGHT
   46
  127
       FILE ADISNEWS
  4708
       FILE AGRICOLA
       FILE ANABSTR
  9396
 731
        FILE ANTE
        FILE AQUALINE
  4431
        FILE AQUASCI
 6928
 4075
       FILE BIOENG
        FILE BIOSIS
 56847
       FILE BIOTECHABS
 7300
       FILE BIOTECHDS
 7300
       FILE BIOTECHNO
10616
11721
        FILE CABA
443537
        FILE CAPLUS
  7398
        FILE CEABA-VTB
        FILE CIN
 1446
  3495
        FILE CONFSCI
  1054
        FILE CROPB
  962
        FILE CROPU
 4055
        FILE DDFB
 4457
        FILE DDFU
        FILE DGENE
 10432
        FILE DISSABS
 10601
  4055
        FILE DRUGB
        FILE DRUGMONOG2
  253
  5615
        FILE DRUGU
  509
        FILE EMBAL
        FILE EMBASE
 66503
        FILE ESBIOBASE
 20459
    2
        FILE FOREGE
        FILE FROSTI
  1611
  2450
         FILE FSTA
         FILE GENBANK
  1744
 1409
         FILE HEALSAFE
 53051
         FILE IFIPAT
    31
         FILE IMSDRUGNEWS
    25
         FILE IMSPRODUCT
```

L1

32

FILE IMSRESEARCH

```
63758
        FILE JICST-EPLUS
 175
        FILE KOSMET
 12998
        FILE LIFESCI
57846
        FILE MEDLINE
 13805
        FILE NTIS
   18
        FILE NUTRACEUT
 2343
        FILE OCEAN
 80140
        FILE PASCAL
   34
        FILE PHAR
    6
        FILE PHARMAML
  113
        FILE PHIN
        FILE PROMT
 5313
  391
        FILE PROUSDDR
        FILE PS
   11
        FILE RDISCLOSURE
  445
152295
        FILE SCISEARCH
  94
        FILE SYNTHLINE
70771
        FILE TOXCENTER
199812
        FILE USPATFULL
 21254
        FILE USPAT2
  306
        FILE VETB
        FILE VETU
  183
        FILE WATER
 5366
        FILE WPIDS
 73878
       FILE WPIFV
  429
       FILE WPINDEX
 73878
     QUE ABB=ON PLU=ON (RUTHENIUM OR ALKANE OR ALKENE OR ALKYNE
     OR PORPHYRIN) OR (AROMATIC (2A) HYDROCARBON) OR (METHYLENE
     (2A) BLUE) OR (ACRIDINE (2A) ORANGE OR METHYLVIOLOGENE)
     -----
     SEA L1 (S) L2
     -----
        FILE ADISINSIGHT
     5
    5
        FILE ADISNEWS
        FILE AGRICOLA
   131
        FILE ANABSTR
    15
    5
        FILE ANTE
        FILE AQUALINE
   74
   198
        FILE AQUASCI
   156
        FILE BIOENG
         FILE BIOSIS
  1291
         FILE BIOTECHABS
   263
   263
         FILE BIOTECHDS
         FILE BIOTECHNO
   710
   322
         FILE CABA
  2921
         FILE CAPLUS
    77
         FILE CEABA-VTB
         FILE CIN
    1
         FILE CONFSCI
    35
    . 8
         FILE CROPB
         FILE CROPU
    34
   122
         FILE DDFB
   194 -
         FILE DDFU
   346
         FILE DGENE
   267
         FILE DISSABS
   122
         FILE DRUGB
   270
         FILE DRUGU
         FILE EMBAL
    6
   875
         FILE EMBASE
  1123
         FILE ESBIOBASE
```

L2

13

38

25

280

FILE FROSTI

FILE GENBANK

FILE HEALSAFE

FILE FSTA

```
72
     FILE IFIPAT
215
     FILE JICST-EPLUS
     FILE KOSMET
 6
988
     FILE LIFESCI
904
      FILE MEDLINE
 52
      FILE NTIS
 89
      FILE OCEAN
955
      FILE PASCAL
      FILE PHAR
 1
      FILE PHIN
 1
 20
      FILE PROMT
      FILE PROUSDDR
  1
  4
      FILE RDISCLOSURE
1007
     FILE SCISEARCH
1252
     FILE TOXCENTER
901
     FILE USPATFULL
    FILE USPAT2
 85
      FILE VETU
 3
156
    FILE WATER
155 FILE WPIDS
 2 FILE WPIFV
155 FILE WPINDEX
 QUE ABB=ON PLU=ON L1 (S) L2
  _____
  SEA L3 (S) TRAP?
  -----
    FILE AGRICOLA
  1
    FILE AQUASCI
  1
     FILE BIOSIS
  2
    FILE BIOTECHABS
  1
     FILE BIOTECHDS
  1
     FILE BIOTECHNO
  5
      FILE CABA
  1
      FILE CAPLUS
  3
      FILE CEABA-VTB
  1
      FILE DDFU
  1
      FILE DISSABS
  3
      FILE DRUGU
  3
  1
     FILE EMBASE
     FILE ESBIOBASE
 15
     FILE GENBANK
 46
     FILE JICST-EPLUS
  1
     FILE LIFESCI
  8
     FILE MEDLINE
  3
     FILE OCEAN
  1
     FILE PASCAL
  5
     FILE RDISCLOSURE
  1
  3 FILE SCISEARCH
  1 FILE TOXCENTER
  4 FILE USPATFULL
  1 FILE WATER
  QUE ABB=ON PLU=ON L3 (S) TRAP?
   _____
   SEA L3 (S) (FREEZ? OR FROZ? OR COOL?)
   -----
     FILE AQUALINE
  2
     FILE AQUASCI
  1
     FILE BIOENG
  1
     FILE BIOSIS
  1
     FILE BIOTECHABS
  3
     FILE BIOTECHDS
  3
     FILE CABA
  6
  5 FILE CAPLUS
```

2 FILE DISSABS

L3

L4

```
1
                    FILE IFIPAT
                2
                    FILE JICST-EPLUS
                4
                    FILE LIFESCI
                1
                    FILE MEDLINE
                1
                    FILE OCEAN
                    FILE PASCAL
                4
                1
                    FILE PROMT
                1
                    FILE RDISCLOSURE
                1
                   FILE TOXCENTER
                9 FILE USPATFULL
2 FILE WATER
                QUE ABB=ON PLU=ON L3 (S) (FREEZ? OR FROZ? OR COOL?)
L5
                -----
                 D RANK
     FILE 'CABA, ESBIOBASE, CAPLUS, FSTA, LIFESCI, PASCAL, BIOTECHDS,
     AQUALINE, DISSABS, JICST-EPLUS, WATER' ENTERED AT 12:12:17 ON 04 OCT 2006
             40 SEA ABB=ON PLU=ON L5
25 DUP REM L6 (15 DUPLICATES REMOVED)
L6
L7
                 D L7 IBIB ABS 1-25
```

FILE ESBIOBASE

FILE FSTA

6

4

FILE HOME